

Apparatus and Method for Treating Ventricular Tachyarrhythmias

Abstract

5 A system and method for selectively treating a ventricular tachycardia based
on sensed atrial and ventricular intervals from the patient's heart. A detection
window of the ten most recent atrial and ventricular intervals are analyzed for the
occurrence of either tachycardia or fibrillation. When a majority of the sensed
intervals are satisfied, the apparatus starts a duration time interval. Ventricular
intervals and atrial intervals are compare, ventricular interval greater than the atrial
10 interval by a bias factor the system delivers tachycardia therapy to the heart.
Alternatively, the method withholds tachycardia therapy to the heart when the atrial
rate is classified as atrial fibrillation and the ventricular response is unstable.

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